Author index of Volume 107*

Aliabadi, S.K. and T.E. Tezduyar, Space-time finite element	
computation of compressible flows involving moving boundaries and interfaces	(1-2) 209-223
Aluru, N.R., A. Raefsky, P.M. Pinsky, K.H. Law, R.J.G. Goossens	(1-2) 203-223
and R.W. Dutton, A finite element formulation for the hydrodynamic	
semiconductor device equations	$(1-2)\ 269-298$
Araya, R.A. and G.N. Gatica, A new nonconforming Galerkin scheme	
for the Stokes problem: Partially circumventing the discrete	(1 2) 102 200
Babuška-Brezzi condition Austin, M.A. and B.K. Voon, Structural optimization in a distributed	(1-2) 193-208
computing environment	(1-2) 173-192
Avello, A., J.M. Jiménez, E. Bayo and J.G. de Jalón, A simple and	(1 2) 1/3 1/2
highly parallelizable method for real-time dynamic simulation based	
on velocity transformations	(3) 313–339
Bayo, E., see Avello, A.	(3) 313-339
Briassoulis, D., The four-node C^0 Mindlin plate bending element	* *
reformulated, Part I: Formulation	(1-2) 23- 43
Briassoulis, D., The four-node C^0 Mindlin plate bending element	
reformulated, Part II. Verification	(1-2) 45-100
Cheng, JH., Adaptive grid optimization for structural analysis -	
Geometry-based approach	(1-2) 1- 22
Dutton, R.W., see Aluru, N.R.	(1-2) 269-298
French, D.A. and L.B. Wahlbin, On the numerical approximation of an	
evolution problem in nonlinear viscoelasticity	(1-2) 101-116
French, D.A., A space-time finite element method for the wave	
equation	(1-2) 145-157
García de Jalón, J.G., see Avello, A.	(3) 313-339
Gatica, G.N., see Araya, R.A.	(1-2) 193–208
Goossens, R.J.G., see Aluru, N.R.	(1-2) 269-298
Gosz, M. and B. Moran, On the formulation and local implementation	(1 2) 150 172
of a variationally coupled finite element-boundary element method	(1-2) 159–172

^{*} The issue number is given in front of the page numbers.

Haber, R.B., see Vidal, C.A.	(3) 393-431
Ibrahimbegović, A., Mixed finite element with drilling rotations for	(4. 0) 005. 000
plane problems in finite elasticity	(1-2) 225-238
Jiménez, J.M., see Avello, A.	(3) 313-339
Johnson, C., Discontinuous Galerkin finite element methods for second order hyperbolic problems	(1-2) 117-129
Law, K.H., see Aluru, N.R.	(1-2) 269-298
Li, S., see Vu-Quoc, L.	(3) 341-391
Liu, Y. and F.J. Rizzo, Hypersingular boundary integral equations for	
radiation and scattering of elastic waves in three dimensions	(1-2) 131-144
Moran, B., see Gosz, M.	(1-2) 159-172
Pang, J.S., see Tin-Loi, F.	(3) 299-312
Pilkey, W.D., see Schramm, U.	(1-2) 251-268
Pinsky, P.M., see Aluru, N.R.	(1-2) 269-298
Raefsky, A., see Aluru, N.R.	(1-2) 269-298
Rizzo, F.J., see Liu, Y.	(1-2) 131-144
Sansour, C., On the spatial description in elasticity and the	
Doyle-Ericksen formula	(1-2) 239-249
Schramm, U. and W.D. Pilkey, Structural shape optimization for the	()
torsion problem using direct integration and B-splines	(1-2) 251-268
Tezduyar, T.E., see Aliabadi, S.K.	(1-2) 209-223
Tin-Loi, F. and J.S. Pang, Elastoplastic analysis of structures with	(
nonlinear hardening: A nonlinear complementarity approach	(3) 299-312
Vidal, C.A. and R.B. Haber, Design sensitivity analysis for	
rate-independent elastoplasticity	(3) 393-431
Voon, B.K., see Austin, M.A.	(1-2) 173-192
Vu-Quoc, L. and S. Li, Invariant-conserving finite difference algorithms	
for the nonlinear Klein-Gordon equation	(3) 341–391
Wahlbin, L.B., see French, D.A.	(1-2) 101-116
Joe i tellelly Ditti	(1 2) 101 110

Subject index of Volume 107*

Boundary element methods

Hypersingular boundary integral equations for radiation and scattering of elastic waves in three dimensions, Y. Liu and F.J. Rizzo (1-2) 131-144

On the formulation and local implementation of a variationally coupled finite element-boundary element method, M. Gosz and B. Moran (1-2) 159-172

Coupled problems

On the formulation and local implementation of a variationally coupled finite element-boundary element method, M. Gosz and B. Moran (1-2) 159-172

Dynamics

Discontinuous Galerkin finite element methods for second order hyperbolic problems, C. Johnson (1-2) 117-129

A space-time finite element method for the wave equation, D.A.

French (1-2) 145-157

Space-time finite element computation of compressible flows involving moving boundaries and interfaces, S.K. Aliabadi and T.E. Tezduyar

A simple and highly parallelizable method for real-time dynamic simulation based on velocity transformations, A. Avello,

J.M. Jiménez, E. Bayo and J. García de Jalón (3) 313-339

Elasticity

Hypersingular boundary integral equations for radiation and scattering of elastic waves in three dimensions, Y. Liu and F.J. Rizzo (1-2) 131-144 Mixed finite element with drilling rotations for plane problems in finite elasticity, A. Ibrahimbegović (1-2) 225-238 On the spatial description in elasticity and the Doyle-Ericksen formula, C. Sansour (1-2) 239-249 Structural shape optimization for the torsion problem using direct integration and B-splines, U. Schramm and W.D. Pilkey (1-2) 251-268

^{*} The issue number is given in front of the page numbers.

Electronics

A finite element formulation for the hydrodynamic semiconductor device equations, N.R. Aluru, A. Raefsky, P.M. Pinsky, K.H. Law, R.J.G. Goossens and R.W. Dutton	(1-2) 269-298
Finite element and matrix method	
Adaptive grid optimization for structural analysis – Geometry-based approach, JH. Cheng	(1-2) 1- 22
The four-node C^0 Mindlin plate bending element reformulated, Part I:	(1-2) $1-22$
Formulation, D. Briassoulis	(1-2) 23- 43
The four-node C^0 Mindlin plate bending element reformulated, Part II.	(1-2) 25- 45
Verification, D. Briassoulis	(1-2) 45-100
On the numerical approximation of an evolution problem in nonlinear	(1 2) 10 100
viscoelasticity, D.A. French and L.B. Wahlbin	(1-2) 101-116
Discontinuous Galerkin finite element methods for second order	()
hyperbolic problems, C. Johnson	(1-2) 117-129
A space-time finite element method for the wave equation, D.A.	,
French	(1-2) 145-157
On the formulation and local implementation of a variationally coupled finite element-boundary element method, M. Gosz and B. Moran	(1-2) 159-172
A new nonconforming Galerkin scheme for the Stokes problem:	
Partially circumventing the discrete Babuška-Brezzi condition, R.A.	
Araya and G.N. Gatica	(1-2) 193-208
Space-time finite element computation of compressible flows involving	
moving boundaries and interfaces, S.K. Aliabadi and T.E. Tezduyar	(1-2) 209-223
Mixed finite element with drilling rotations for plane problems in finite	// 4/ 447 446
elasticity, A. Ibrahimbegović	(1-2) 225-238
A finite element formulation for the hydrodynamic semiconductor	
device equations, N.R. Aluru, A. Raefsky, P.M. Pinsky, K.H. Law, R.J.G. Goossens and R.W. Dutton	(1 2) 260 200
R.J.G. Goossens and R.W. Dutton	(1-2) 269-298
Fluid mechanics	
A new nonconforming Galerkin scheme for the Stokes problem:	
Partially circumventing the discrete Babuška–Brezzi condition,	
R.A. Araya and G.N. Gatica	(1-2) 193-208
Space-time finite element computation of compressible flows involving	(1-2) 193-206
space-time ninte element computation of compression nows involving	(4 0) 000 000

moving boundaries and interfaces, S.K. Aliabadi and T.E. Tezduyar

A finite element formulation for the hydrodynamic semiconductor device equations, N.R. Aluru, A. Raefsky, P.M. Pinsky, K.H. Law,

R.J.G. Goossens and R.W. Dutton

(1-2) 209-223

(1-2) 269-298

Gas dynamics

Space-time finite element computation of compressible flows involving moving boundaries and interfaces, S.K. Aliabadi and T.E. Teżduyar	(1-2) 209-223
General Rayleigh-Ritz and Galerkin techniques	
Discontinuous Galerkin finite element methods for second order hyperbolic problems, C. Johnson A space-time finite element method for the wave equation,	(1-2) 117-129
D.A. French	(1-2) 145-157
A new nonconforming Galerkin scheme for the Stokes problem: Partially circumventing the discrete Babuška-Brezzi condition, R.A. Araya and G.N. Gatica	(1-2) 193-208
Space-time finite element computation of compressible flows involving	
moving boundaries and interfaces, S.K. Aliabadi and T.E. Tezduyar Mixed finite element with drilling rotations for plane problems in finite	(1-2) 209-223
elasticity, A. Ibrahimbegović	(1-2) 225-238
Modern computer architecture	
Structural optimization in a distributed computing environment, M.A. Austin and B.K. Voon	(1-2) 173-192
A simple and highly parallelizable method for real-time dynamic simulation based on velocity transformations, A. Avello, J.M. Jiménez, E. Bayo and J. García de Jalón	(3) 313–339
Nonlinear mechanics	
Mixed finite element with drilling rotations for plane problems in finite elasticity, A. Ibrahimbegović	(1-2) 225-238
On the spatial description in elasticity and the Doyle-Ericksen formula, C. Sansour	(1-2) 239-249
A simple and highly parallelizable method for real-time dynamic simulation based on velocity transformations, A. Avello, J.M. Jiménez, E. Bayo and J. García de Jalón	(3) 313–339
Invariant-conserving finite difference algorithms for the nonlinear Klein-Gordon equation, L. Vu-Quoc and S. Li	(3) 341–391
Numerical solution procedures	
Elastoplastic analysis of structures with nonlinear hardening: A nonlinear complementarity approach, F. Tin-Loi and J.S. Pang	(3) 299–312
Invariant-conserving finite difference algorithms for the nonlinear Klein-	
Gordon equation, L. Vu-Quoc and S. Li	(3) 341–391

Optimization

Adaptive grid optimization for structural analysis – Geometry-based approach, J.-H. Cheng (1-2) 1- 22

Optimization and design of structures

- Structural optimization in a distributed computing environment, M.A. Austin and B.K. Voon (1-2) 173-192
- Structural shape optimization for the torsion problem using direct integration and B-splines, U. Schramm and W.D. Pilkey (1-2) 251-268
- Design sensitivity analysis for rate-independent elastoplasticity, C.A. Vidal and R.B. Haber (3) 393-431

Plasticity

- Elastoplastic analysis of structures with nonlinear hardening: A nonlinear complementarity approach, F. Tin-Loi and J.S. Pang (3) 299-312
- Design sensitivity analysis for rate-independent elastoplasticity, C.A. Vidal and R.B. Haber (3) 393-431

Shells and plates

- The four-node C^0 Mindlin plate bending element reformulated, Part I: Formulation, D. Briassoulis (1-2) 23-43
- The four-node C^0 Mindlin plate bending element reformulated, Part II. Verification, D. Briassoulis (1-2) 45-100

Singularity methods

Hypersingular boundary integral equations for radiation and scattering of elastic waves in three dimensions, Y. Liu and F.J. Rizzo (1-2) 131-144

Structural mechanics

- Adaptive grid optimization for structural analysis Geometry-based approach, J.-H. Cheng (1-2) 1- 22
- Elastoplastic analysis of structures with nonlinear hardening: A nonlinear complementarity approach, F. Tin-Loi and J.S. Pang (3) 299–312

Viscoelastic and viscoplastic media

On the numerical approximation of an evolution problem in nonlinear viscoelasticity, D.A. French and L.B. Wahlbin (1-2) 101-116

Wave motion

Discontinuous Galerkin finite element methods for second order	
hyperbolic problems, C. Johnson	(1-2) 117-129
Hypersingular boundary integral equations for radiation and scattering	
of elastic waves in three dimensions, Y. Liu and F.J. Rizzo	(1-2) 131-144
A space-time finite element method for the wave equation,	
D.A. French	(1-2) 145-157